

There will also be two more installments of the students' Museum Tour, open to both junior and senior student members. On May 5, at 3:30 p.m., Dr. Leo G. Hertlein will conduct the group through the Paleontology Department. On May 19 Miss Veronica J. Sexton will explain the facilities of the Academy Library. Two all-day Sunday field trips, open to both junior and senior groups, have been planned. A trip to Moss Beach for study of sea life will be held on May 6. On May 20 Mr. John Thomas Howell will take the group to Tiburon to learn how to collect plants. Details regarding both trips will be announced at the meetings.

The public lectures are given twice every Saturday in Room 214, Simson African Hall. They are illustrated with specimens, slides, and moving pictures. Elementary school children will come in the morning at 10:30. Junior high school girls and boys will come to the session at 1:15 p.m. The May meetings will continue the series of "Wildlife Around the World" that was started in April and will take up "Native Plants and Animals of the United States." Stress will be laid on the life histories of the representative species discussed and on their adaptations to the conditions under which they live. The schedule for May includes: "Coastal Islands of the United States" on May 5; "Life on the Desert" on May 12; "Plants and Animals of Coniferous Forests" on May 19; "American Alpine Life" on May 26. All young people, whether members of the Academy or not, are invited to attend these sessions.

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ACADEMY NEWS LETTER

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GLACIER TRAILS

SCAIFE LECTURE ON MAY 2

(See inside page for announcement)

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May Announcement

THE REGULAR MAY MEETING of the California Academy of Sciences will be held in the Auditorium of the Pacific Gas and Electric Company, 245 Market Street, on Wednesday evening, May 2, at eight o'clock. Following a brief business meeting the second of the spring series of lectures on the Walter B. Scaife Foundation will be given by Dr. Hubert O. Jenkins of Sacramento College, who will take as his subject

GLACIER TRAILS

Those hardy souls who choose for their vacation spots the more rugged areas of the high mountains, and those who love the many lakes that bejewel this rough country, are following the trails of ancient glaciers. Why these glaciers dwindled and disappeared some twenty thousand years ago, when before that they occupied so much of the high country, can only be answered if we could explain the causes of climatic change.

At present, snow accumulated during the winter in the Sierra Nevada is measured carefully by the State Division of Water Resources and welcomed by many because of its potential value as irrigation water. There would need be but a slight difference in climate, perhaps only a lowering of the average annual temperature of 10° F, to permit some of the snow to remain until the next winter. When an accumulating pack finally grew to sufficient proportions, its own weight would cause it to move down grade. Then gradually there would occur the many and profound changes in the landscape that always mark the passage of the slowly moving mass of ice that we call a glacier.

Dr. Jenkins will show slides in Kodachrome that he took during travels in the mountains from Yosemite to the Canadian Rockies, and will explain the meaning of the tracks left by the glaciers.

The public is cordially invited.

APPLICATIONS FOR MEMBERSHIP

NOTICE is hereby given to all Corporate Members that the Council at its meeting on April 19, 1945, approved the applications of Mr. Ray L. Buchanan, Mr. Harry C. Fassett, Mr. Francis C. Hutchens, and Dr. C. F. Pentler for *Membership*, and of Mr. Derham Giuliani, Mr. Welton L. Lee and Mr. Walter Marr for *Student Membership* in the California Academy of Sciences. If no objection to the election of these applicants be received at the office of the Academy within two weeks after April 27, they will be considered elected.



LABORS OF A GLACIER

THE FOLLOWING STORY seems appropriate to the theme of this NEWS LETTER, and we are going to tell it before Professor Jenkins has a chance:

A professor on a field trip with a class in Elementary Geology pointed out a group of large, rounded boulders lying in a pasture and explained that they had been deposited there by a glacier.

"What became of the glacier?" inquired one of the less discerning students.

"The glacier," replied the professor in an even voice, "has gone back after another load of rocks."



STUDENT ACTIVITIES

TWO PROGRAMS of activities for young people are now being carried on at the California Academy of Sciences, the regular meetings and field trips of the student members, and a series of illustrated free public lectures on natural history.

The membership and activity of the Student Section have increased to the point where it has been found desirable to divide the club into two groups which meet on alternate Saturdays at 2:30 p.m. in Room 214 Simson African Hall. The junior group, consisting of student members of elementary and junior high school grades, will meet on May 12 and 26. The senior group, student members of high school (9th through 12th grades) and college age, will meet on May 5 and 19. At the first meeting of each group Miss Alice S. Mulford will give a talk, illustrated with slides and kodachrome moving pictures, on "Ocean Birds and Sea Life of the Rocky Coast of Maine." For the second meeting of each group the program will consist of a discussion led by the students and followed by motion pictures.